

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~striketrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please CANCEL claims 7 and 8 without prejudice.

1. (ORIGINAL) A circuit board assembly comprising:
a circuit board;
a module mounted on the circuit board and having an electronic circuit device
and a heat radiator attached to the electronic circuit device; and
a flat coil element,
wherein said heat radiator has an extending part protruding from said electronic
circuit device and extending parallel to a surface of said circuit board;
a coil mounting area provided with no pattern wire is formed in a part of said
circuit board facing the extending part; and
said flat coil element is mounted parallel to said circuit board in a state where a
coil part of said flat coil element faces said coil mounting area.
2. (ORIGINAL) The circuit board assembly as claimed in claim 1, wherein said coil
mounting area is an opening formed by removing a part of said circuit board.
3. (ORIGINAL) The circuit board assembly as claimed in claim 1, wherein a distance
between said extending part of said heat radiator and said flat coil element is set to a distance at
which no eddy current is generated within said extending part due to a magnetic field generated
by said flat coil element.
4. (ORIGINAL) The circuit board assembly as claimed in claim 1, wherein an
opening is provided in a portion of said extending part of said heat radiator, the portion facing
said flat coil element.

5. (ORIGINAL) The circuit board assembly as claimed in claim 1, wherein said module is a power module for driving a plasma display, and said flat coil element provides an inductance used for recovering an electric power of the plasma display.

6. (ORIGINAL) The circuit board assembly as claimed in claim 5, wherein said extending part of said heat radiator extends on an output side of said power module.

7. (CANCELLED)

8. (CANCELLED)

9. (ORIGINAL) A circuit board assembly comprising:
a circuit board;
a module mounted on the circuit board and having an electronic circuit device
and a heat radiator attached to the electronic circuit device; and
a flat coil comprising a coil part formed by a pattern wire provided on each layer of
a multi-layer substrate
wherein the coil part is electrically connected to a corresponding terminal by a
conductive part extending in a direction of thickness of said multi-layer substrate, and the coil
part of each layer is configured and arranged to be electrically connectable to the coil part of
another layer by short-circuiting the terminals, and
wherein said heat radiator has an extending part protruding from said electronic
circuit device and extending parallel to a surface of said circuit board, and said flat coil is
mounted in an area facing said extending part of said heat radiator.

10. (ORIGINAL) The circuit board assembly as claimed in claim 9, wherein an
opening is provided in a portion of said extending part of said heat radiator, the portion facing
said flat coil element.

11. (ORIGINAL) A circuit board assembly comprising:
a circuit board;
a module mounted on the circuit board and having an electronic circuit device

and a heat radiator attached to the electronic circuit device; and

a flat coil comprising a coil part formed on each of an uppermost layer and a lowermost layer of a multi-layer substrate,

wherein the coil part is electrically connected to a corresponding terminal by a conductive part extending in a direction of thickness of said multi-layer substrate, and the coil part of each layer is configured and arranged to be electrically connectable to the coil part of another layer by short-circuiting the terminals, and

wherein said heat radiator has an extending part protruding from said electronic circuit device and extending parallel to a surface of said circuit board, and said flat coil is mounted in an area facing said extending part of said heat radiator.

12. (ORIGINAL) The circuit board assembly as claimed in claim 11, wherein an opening is provided in a portion of said extending part of said heat radiator, the portion facing said flat coil element.